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## State Water Resources Control Board

### **CERTIFIED FULL CAPTURE SYSTEM LIST OF TRASH TREATMENT CONTROL DEVICES (Updated July 2021)**

#### **Trash Provisions**

In accordance with the Trash Provisions,<sup>1</sup> all trash treatment control devices (Devices) installed after December 2, 2015 shall meet the Full Capture System definition<sup>2</sup> and be certified by the State Water Resources Control Board (State Water Board) Executive Director, or designee, prior to installation. The Devices included on this list are either: 1) new Devices certified by the State Water Board, or 2) grandfathered Devices from a list maintained by the San Francisco Regional Water Board prior to the adoption of the Trash Amendments. All new Device installations shall be designed according to the following criteria:

1. Appropriately sized to treat not less than the peak flowrate resulting from a one--year, one-hour storm event (design storm) or at least the same peak flows from the corresponding storm drain;
2. Do not bypass trash below the design storm under maximum operational loading conditions; and
3. Trap all particles that are 5 mm or greater up to the design flow<sup>3</sup> or at least the same peak flows from the corresponding storm drain; and do not have a diversion structure present upstream such that a portion of the peak flow is not treated to trap all particles 5-millimeter or greater.

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<sup>1</sup> Amendment to the Water Quality Control Plan for Ocean Waters of California to Control Trash and Part 1 Trash Provisions of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, And Estuaries of California adopted by the State Water Board.

<sup>2</sup> A Full Capture System is a treatment control, or series of treatment controls, including but not limited to, a multi-benefit project or a low-impact development control that traps all particles that are 5 mm or greater, and has a design treatment capacity that is either: of not less than the peak flow rate, Q, resulting from a one-year, one-hour storm in the subdrainage area, or b) appropriately sized to, and designed to carry at least the same flows as, the corresponding storm drain.

<sup>3</sup> The region specific one-year, one-hour storm (or design flow) may be obtained from the [National Oceanic and Atmospheric Precipitation Estimates](https://www.weather.gov/media/owp/oh/hdsc/docs/Atlas14_Volume6.pdf) ([https://www.weather.gov/media/owp/oh/hdsc/docs/Atlas14\\_Volume6.pdf](https://www.weather.gov/media/owp/oh/hdsc/docs/Atlas14_Volume6.pdf))

# CERTIFIED FULL CAPTURE SYSTEM LIST OF TRASH TREATMENT CONTROL DEVICES

## Vector Control Accessibility

According to the California Health and Safety Code<sup>4</sup>, Landowners in California are legally responsible to abate (eliminate the source of) a public nuisance arising from their property, including mosquitoes. Mosquito vector control districts have substantial authority to access public and private property, inspect known or suspected sources of mosquitoes, abate mosquito sources, and charge the landowner for work performed and/or charge fees if a landowner is unwilling or unable to address a mosquito source arising from their property.

Depending on the its design, certain Devices may impede the mosquito vector control district's ability to (1) visually inspect the Device and/or storm vault for mosquito breeding, and (2) apply the appropriate chemical treatment. Moreover, some devices may create a habitat for mosquitoes. Prior to installation of any certified Device, the local mosquito vector control district should be contacted to ensure the installation conforms to the District's visual inspection, treatment, and vector breeding minimizing guidelines. The Mosquito Vector Control Association of California Review Team may also be contacted via email at [Trashtreatment@mvcac.org](mailto:Trashtreatment@mvcac.org).

## New Device Certification or Fact Sheet Update

To apply for certification of a new Device, or to update a grandfathered Device fact sheet, the Device owner shall submit an application/fact sheet in accordance with the *Trash Treatment Control Device Certification and Fact Sheet Update Requirements*. Upon determining that a Device application is complete and meets the definition of a trash full capture system and is approved by the Mosquito Vector Control Association of California, the Executive Director Designee will place the Device on the State Water Board's *Certified Full Capture System List of Trash Treatment Control Devices*. This list will also identify updates to grandfathered Device fact sheets that satisfy the requirements.

The Trash Treatment Control Device Certification and Fact Sheet Update Requirements is found on the [Trash Implementation Program webpage](https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html) ([https://www.waterboards.ca.gov/water\\_issues/programs/stormwater/trash\\_implementation.html](https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html)).

Listing of any Device does not constitute an endorsement by the State Water Board. The Executive Director reserves the right to de-certify and remove any Device from this list that does not satisfy the requirements of the Trash Provisions, such as but not limited to when a Device is discontinued or is not approved by Mosquito Vector Control Association of California Review Team.

To obtain a copy of the applications or fact sheets listed in Table 1 or Table 2 below, or to address questions regarding certification please contact Leo Cosentini at (916) 341-5524 or email address ([leo.cosentini@waterboards.ca.gov](mailto:leo.cosentini@waterboards.ca.gov))

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<sup>4</sup> Health & Safety Code sections 2001- 4(d); 2002; 2060 (b) and Health & Safety Code sections 2060-2067, 100170, and 100175.

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
TRASH TREATMENT CONTROL DEVICES**

**TABLE 1 - CATCH BASIN INSERTS AND OTHER DEVICES**

<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>AbTech, Industries<sup>5</sup></b>	<b>Ultra Urban Filter Curb Opening and Drop-In</b>	<b>Application 25 05/01/20</b>	<b>04/8/20</b>
<b>Advanced Drainage Systems, Inc.<sup>6</sup></b>	<b>FLEXSTORM Full Trash Capture Inserts</b>	<b>Application 3 03/15/18</b>	<b>03/30/21</b>
<b>Advanced Drainage Systems, Inc.</b>	<b>FLEXSTORM Connector Pipe Screen</b>	<b>ADS-1 Updated 06/08/21</b>	<b>03/30/21</b>
<b>Bio Clean Environmental Services, Inc.<sup>7</sup></b>	<b>Curb Inlet and Grate Inlet Filters</b>	<b>Application 4 03/15/18 Updated 02/12/21</b>	<b>01/27/21</b>
<b>Bio Clean Environmental Services, Inc.</b>	<b>Modular Connector Pipe Trash Screen</b>	<b>BC-3 Updated 04/30/20</b>	<b>03/10/20</b>
<b>BrightWater<sup>8</sup></b>	<b>Connector Pipe Screen</b>	<b>Application 29 12/28/20</b>	<b>11/19/20</b>

<sup>5</sup> AbTech Industries website: <https://www.abtechindustries.com/>

<sup>6</sup> Advanced Drainage Systems, Inc. website: <http://www.inletfilters.com/>

<sup>7</sup> Bio Clean Environmental Services, Inc. website: <http://www.biocleanenvironmental.com/products/>

<sup>8</sup> BrightWater website: [www.wearebrightwater.com/](http://www.wearebrightwater.com/)

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
TRASH TREATMENT CONTROL DEVICES**

<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>BrightWater</b>	<b>Curb Inlet Filter</b>	<b>Application 26</b> <b>06/30/20</b>	<b>04/17/20</b>
<b>Coanda Inc.</b>	<b>Coanda Trash Screen and Debris Fence</b>	<b>COA-1</b> <b>Update Under Review</b>	<b>None</b>
<b>Ecology Control Industries<sup>9</sup></b>	<b>Debris Dam - Catch Basin Insert for Curb Inlet Design</b>	<b>ECI-1</b> <b>Updated 06/17/20</b>	<b>04/29/20</b>
<b>Enviropod International: A Stormwater 360 Group Company<sup>10</sup></b>	<b>Enviropod® LittaTrap™ Full Capture</b>	<b>Application 27</b> <b>10/15/20</b>	<b>07/20/20</b>
<b>Filtrexx Sustainable Technologies<sup>11</sup></b>	<b>StormExx® Clean</b>	<b>Application 16</b> <b>08/10/18</b> <b>Updated 11/25/19</b>	<b>12/06/19</b>
<b>Frog Creek Partners, LLC<sup>12</sup></b>	<b>Gutter Bin® Channel Filtration System &amp; Mundus Bag® Water Filter</b>	<b>Application 22</b> <b>06/26/19</b>	<b>04/19/19</b>

<sup>9</sup> Ecology Control Industries website: <http://www.ecologycontrol.com/>

<sup>10</sup> Enviropod International: A Stormwater 360 Group Company website: <https://www.enviropod.com/products/enviropod-littatrap-full-capture/>

<sup>11</sup> Filtrexx Sustainable Technologies website: <https://www.filtrexx.com/en/products/stormexx/>

<sup>12</sup> Frog Creek Partners, LLC website: <https://frogcreek.partners/>

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
TRASH TREATMENT CONTROL DEVICES**

<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>Frog Creek Partners, LLC</b>	<b>Gutter Bin® Eco Drop Inlet Filter (DIF &amp; DIF-C) &amp; Mundus Bag® Water Filter</b>	<b>Application 24 02/18/20</b>	<b>12/06/19</b>
<b>Frog Creek Partners, LLC</b>	<b>Gutter Bin® Eco Curb Inlet Filter &amp; Mundus Bag® Water Filter</b>	<b>Application 23 02/18/20</b>	<b>10/11/19</b>
<b>G2 Construction, Inc.<sup>13</sup></b>	<b>G2 CPS-Mod™ and Removable CPS-Mod™ Screen</b>	<b>Application 18 06/26/19</b>	<b>03/15/19</b>
<b>G2 Construction, Inc.</b>	<b>G2 Grated Inlet Trash Screen</b>	<b>Application 19 06/26/19</b>	<b>04/10/19</b>
<b>Inventive Resources, Inc.<sup>14</sup></b>	<b>Water Decontaminator</b>	<b>Application 2 03/15/18</b>	<b>04/20/20</b>
<b>Oldcastle Infrastructure<sup>15</sup></b>	<b>FloGard® Curb Inlet Basket</b>	<b>OI-1 Updated 06/09/21</b>	<b>06/09/21</b>

<sup>13</sup> G2 Construction, Inc website: <http://www.g2construction.com/products/>

<sup>14</sup> Inventive Resources, Inc. website: <http://www.IRIproducts.com/>

<sup>15</sup> Oldcastle Infrastructure website: <https://oldcastleinfrastructure.com/brands/>

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
TRASH TREATMENT CONTROL DEVICES**

<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® Grate Inlet Basket</b>	<b>OI-2 Updated 06/09/21</b>	<b>06/09/21</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® Outlet Trash Screen</b>	<b>OI-3 Updated 11/29/19</b>	<b>12/06/19</b>
<b>Revel Environmental Manufacturing, Inc.<sup>16</sup></b>	<b>Triton™ Bioflex Inlet Trash Guard Catchbasin Polyester Fiber Mesh Trash Filter Insert</b>	<b>REM-1 Update Under Review</b>	<b>None</b>
<b>Revel Environmental Manufacturing, Inc.</b>	<b>Triton™ Crescent Pipe Screen</b>	<b>Application 12 07/10/18</b>	<b>03/15/19</b>
<b>Revel Environmental Manufacturing, Inc.</b>	<b>Triton Perf-Full Trash Capture Insert</b>	<b>Application 13 07/10/18</b>	<b>03/15/19</b>
<b>Safe Drain Stormwater Holdings Inc.<sup>17</sup></b>	<b>Storm Vector Guard</b>	<b>Application 30 02/11/21</b>	<b>12/17/20</b>

<sup>16</sup> Revel Environmental Manufacturing, Inc. website: <http://www.remfilters.com/>

<sup>17</sup> Safe Drain Stormwater Holdings, Inc. website: <http://www.safedrainusa.com/>

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
<b>Stormtek<sup>18</sup></b>	<b>Stormtek ST3 &amp; STEG Catchbasin Connector Pipe</b>	<b>AS-1, A1S-2 Update Under Review</b>	<b>None</b>
<b>United Stormwater, Inc.<sup>19</sup></b>	<b>Connector Pipe Trash Screen</b>	<b>USW-1 Update Under Review</b>	<b>None</b>

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<sup>18</sup> Stormtek website: <https://swimsclean.com/stormtek/>

<sup>19</sup> United Stormwater, Inc. website: <http://www.unitedstormwater.com/>

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
TRASH TREATMENT CONTROL DEVICES**

**TABLE 2 - HIGH FLOW CAPACITY TRASH DEVICES**

<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>AquaShield, Inc.<sup>20</sup></b>	<b>Aqua-Swirl® Stormwater Treatment System</b>	<b>Application 1 08/04/17 Updated 11/06/20</b>	<b>12/03/20</b>
<b>BaySaver Technologies LLC/Advanced Drainage Systems Inc.<sup>21</sup></b>	<b>Barracuda Hydrodynamic Separator</b>	<b>Application 21 06/26/19 Updated 05/21/21</b>	<b>03/15/19</b>
<b>Bio Clean Environmental Services, Inc.</b>	<b>Debris Separating Baffle Box</b>	<b>Application 6 03/15/18</b>	<b>07/28/20</b>
<b>Bio Clean Environmental Services, Inc.</b>	<b>BioClean Deflective Screening Device</b>	<b>Application 20 06/26/19</b>	<b>07/28/20</b>
<b>Bio Clean Environmental Services, Inc.</b>	<b>Modular Wetland System®</b>	<b>Application 15 07/10/18</b>	<b>03/15/19</b>

<sup>20</sup> AquaShield, Inc. website: <http://www.aquashieldinc.com/-aqua-swirl.html>

<sup>21</sup> BaySaver Technologies LLC/Advanced Drainage Systems Inc. website: <https://baysaver.com/products/barracuda/>



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<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>Contech Construction Products<sup>22</sup></b>	<b>Continuous Deflective Separator Hydrodynamic Separator</b>	<b>CCP-1HF Updated 05/27/21</b>	<b>04/29/2021</b>
<b>Jensen Stormwater Systems<sup>23</sup></b>	<b>Jensen® Deflective Separators</b>	<b>Application 5 03/15/18</b>	<b>12/06/19</b>
<b>Hydro International<sup>24</sup></b>	<b>Downstream Defender (In- Line and Off-Line Configurations)</b>	<b>Application 14 07/10/18</b>	<b>03/16/20</b>
<b>Hydro International</b>	<b>First Defense® High- Capacity Full Trash Capture Device</b>	<b>Application 28 10/30/20</b>	<b>08/20/20</b>
<b>Hydro International</b>	<b>Hydro Up-Flo Filter®</b>	<b>Application 11 07/18/18</b>	<b>03/16/20</b>

<sup>22</sup> Contech Construction Products website: <http://www.conteches.com/products/stormwater-management/treatment/cds/>

<sup>23</sup> Jensen Stormwater Systems website: <http://www.jensenengineeredsystems.com/>

<sup>24</sup> Hydro International website: <https://www.hydro-int.com/>

**CERTIFIED FULL CAPTURE SYSTEM LIST OF  
TRASH TREATMENT CONTROL DEVICES**

<b>Owner</b>	<b>Full Capture System Trash Device Brand Name</b>	<b>Date Application Certified or Fact Sheet Updated</b>	<b>Date Vector Control Accessibility Verified</b>
<b>Hydro International</b>	<b>Hydro DryScreen</b>	<b>Application 10 07/10/18 Updated 05/05/21</b>	<b>04/29/21</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® NetTech</b>	<b>OI-11HF Updated 12/08/20</b>	<b>12/03/20</b>
<b>Oldcastle Infrastructure</b>	<b>Nutrient Separating Baffle Box®</b>	<b>Application 17 10/12/18 Updated 07/21/20</b>	<b>05/01/20</b>
<b>Roscoe Moss Company<sup>25</sup></b>	<b>Storm Flo® Trash Screen – Linear Radial Gross Solids Removal Device</b>	<b>RMC-1HF Updated 03/30/21</b>	<b>3/11/2021</b>
<b>StormTrap Modular Concrete Stormwater Management</b>	<b>SiteSaver®</b>	<b>Application 9 03/15/2018 Updated 2/23/21</b>	<b>03/18/21</b>

<sup>25</sup> Roscoe Moss Company website: <https://roscoemoss.com/products/stormwater-gross-solids-removal-device/>